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1	Clair	ns
2		•
3 4	1.	A financial transaction verification system comprising:
5		a transaction processing client;
6 7		a transaction processing server under the control of a financial services provider;
8		
9		a programmable telecommunications client under the control of a transaction
10		initiator;
11		·
12 .		the transaction processing client, the transaction processing server and the
13		telecommunications client all being connected to or adapted for connection to a
14		telecommunications network;
15		
16		the transaction processing client being adapted, when in use a transaction is
17		initiated and processed through the transaction processing client, to record:
18		
19		data pertaining to a transaction initiated, in use, by the transaction initiator;
20		and
21		
22		data pertaining to a financial account of the transaction initiator with the
23		financial services provider;
24		
25		the transaction processing client being adapted to transmit the recorded data to the
26		transaction processing server by way of the telecommunications network;
27		
28		the transaction processing server being adapted to make use of data pertaining to
29		the transaction initiator and the telecommunications client previously stored with the
30		financial services provider to formulate a transaction authorisation request to the
31		telecommunications client;
32		No describing and spine and being about all to transport the framework and
33		the transaction processing server being adapted to transmit the transaction
34		authorisation request to the telecommunications client by way of the
35		telecommunications network;
36		
37		the telecommunications client being programmed to require the entry of an
38		authorisation code into the telecommunications client as a precondition for the

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1		further processing of the transaction authorisation request; and
2		·
3		the telecommunications client being programmed, further, to transmit a process
4		outcome message to either or both the transaction processing server and the
5		transaction processing client, which process outcome message:
6		
7		if the incorrect authorisation code is entered, is constituted by a transaction
8		cancellation signal; and
9		
10		if the correct authorisation code is entered, is constituted by a transaction
11		authorisation signal.
12		
13	2.	A financial transaction verification system according to claim 1 in which the
14		telecommunications client is a mobile communication device that is personal to the
15		transaction initiator, in which system:
16		the transmitted to the transmitted with the financial comings provided
17		the transaction initiator data previously stored with the financial services provider
18		includes unique mobile communication device data, which is data that is unique to
19		and stored in the mobile communication device;
20		the transaction processing server is adapted to transmit the previously stored
21 22		unique mobile communication device data to the mobile communication device
23		together with the authorisation request;
24		together with the authorisation request,
25		the mobile communication device is programmed, on receipt of the transmitted
26		data, to compare the transmitted data to the equivalent unique mobile
27		communication device data stored in the mobile communication device;
28		•
29		the telecommunications client is programmed, further, to transmit a process
30		outcome message to either or both the transaction processing server and the
31		transaction processing client, which process outcome message may, alternatively
32		be constituted by a transaction cancellation signal or a transaction authorisation
33		signal;
3-;		
35		the mobile communication device being programmed, further:
36		
37		if the comparison between the transmitted data and the equivalent data

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stored in the mobile communication device fails, to transmit a process

1		outcome message constituted by a transaction cancellation signal; and
2		
3		if the comparison is successful, to require the entry, into the mobile
4		communication device, of the authorisation code previously provided as a
5 ·		precondition for the further processing of the transaction authorisation
6		request; and
7		
8		if the incorrect authorisation code is entered, to transmit a process outcome
g		message constituted by a transaction cancellation signal; and
10		
11		if the correct authorisation code is entered to transmit a process outcome
12		message constituted by a transaction authorisation signal.
13		
14	3.	A financial transaction verification system according to either of the preceding claims
15		that is adapted:
16		
17		to cancel the transaction in the event of the receipt, by the telecommunications
18		client, of a transaction cancellation signal; and
19		
20		to allow the transaction to proceed to finality in the event of the receipt, by the
21		telecommunications client, of a transaction authorisation signal.
22		
23	4.	A transaction processing client for use with a system according to any one of the
24		preceding claims.
25	_	A control of the control of the
20	5.	A transaction processing server for use with a system according to any one of the
27		preceding claims.
28	•	A tile and the control of the
29	6.	A telecommunications server for use with a system according to any one of the
30		preceding claims.
31	-	A tale and provided the second of the
32	7.	A telecommunications client for use with a system according to any one of the
33		preceding claims.
34	•	A 11 defends in a few wild to a comparing the stone of
35	8.	A method of verifying a financial transaction comprising the steps of:
36		to the story of the second story of a farmer story or a second story of the second sto
37		initiating a transaction at a transaction processing client;
38		

1		recording, by means of the transaction processing client, data pertaining to the
2		transaction together with data pertaining to a financial account of the transaction
3		initiator with a financial services provider;
4		
5		transmitting the data so recorded from the transaction processing client to a
6		transaction processing server under control of the financial services provider, by
7		way of a telecommunications network,
8		
9		supplying, to the transaction processing server, data previously stored with the
10		financial services provider and pertaining to a telecommunications client which is
11		under the control of the transaction initiator;
12		
13		transmitting an authorisation request pertaining to the initiated transaction to the
14		telecommunications client;
15		
16		requiring, on receipt of such a transaction authorisation request, the entry into the
17		telecommunications client, of an authorisation code as a precondition for the further
18		processing of the transaction authorisation request;
19		
20		transmitting a process outcome message to either or both the transaction
21	•	processing server and the transaction processing client, which process outcome
22		message:
23		
24		if the incorrect authorisation code is entered, is constituted by a transaction
25		cancellation signal; and
26		
27		if the correct authorisation code is entered, is constituted by a transaction
28		authorisation signal.
29		
30	9.	A method of verifying a financial transaction according to claim 8 in which the
31		telecommunications client is a mobile communication device personal to the
32	•	transaction initiator and data unique to and stored in the mobile communication
33		device is stored by the financial services provider as part of the communications data
34		pertaining to the transaction initiator, the method including the additional steps of:
35		
36 .		transmitting the unique mobile communication device data from the transaction
37		processing server to the mobile communication device together with the
<i>38</i>		authorisation request;

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in the mobile communication device, comparing, on receipt of the transmitted data and authorisation request, the transmitted unique mobile communication device data to the equivalent mobile communication device data stored in the mobile communication device; and

if the comparison between the transmitted data and the equivalent data stored in the mobile communication device fails, transmitting a transaction cancellation signal to either or both the transaction processing server and the transaction processing client; and

if the comparison is successful, requiring the entry of the authorisation code previously provided into the mobile communication device as a precondition for the further processing of the transaction authorisation request; and

if the incorrect authorisation code is entered, transmitting a transaction cancellation signal to either or both the transaction processing server and the transaction processing client; and

if the correct code is entered, transmitting a transaction authorisation signal to either or both the transaction processing server and the transaction processing client.

10. A method of verifying a financial transaction according to either of claims 8 or 9 which includes the additional steps of:

canceling the transaction in the event of the receipt, by the telecommunications client, of a transaction cancellation signal; and

allowing the transaction to proceed to finality in the event of the receipt, by the telecommunications client, of a transaction authorisation signal.

11. A method of verifying a financial transaction according to claim 8 in which the transaction involves the use of a documentary negotiable instrument, the method comprising the steps of:

initiating the transaction by a participating negotiable instrument issuer issuing the negotiable instrument manually;

recording, by means of the transaction processing client, data pertaining to the transaction including predetermined data pertaining to the negotiable instrument;

transmitting the data so recorded from the transaction processing client to the transaction processing server by way of the telecommunications network,

transmitting, to either or both the financial services provider and the transaction processing server, a negotiable instrument issuer code unique to the negotiable instrument issuer, thereby to confirm, to the transaction processing server, the transmitted data pertaining to the transaction including the predetermined data pertaining to the negotiable instrument;

recording, at the transaction processing server, the data so confirmed; and

comparing, when in use the negotiable instrument is presented for payment, the data on the face of the documentary negotiable instrument with the data recorded in the transaction processing server in respect of that negotiable instrument.

12. A method of operating a transaction processing server for use in a financial transaction verification method according to claim 11, the method comprising the steps of:

receiving the entry of data pertaining to negotiable instruments from participating negotiable instrument issuers;

receiving, from each participating negotiable instrument issuer and in respect of the data pertaining to each such negotiable instrument, a unique negotiable instrument issuer code;

confirming the validity of each negotiable instrument issuer code so entered by comparing the negotiable instrument issuer code so entered with a negotiable instrument issuer code stored in the transaction processing server; and

permitting a participating presentation point to gain access to the data stored in respect of a particular negotiable instrument when that negotiable instrument is presented for payment, thereby to allow comparison between the stored data and the data appearing on the face of the negotiable instrument.

1		to the second transportion according to claim 8 in which the
2	13.	A method of verifying a financial transaction according to claim 8 in which the transaction involves the use of a communications enabled transaction terminal as the
3		transaction processing client, the method including the steps of:
4		transaction processing client, the method moldaling the stope of
5		with the use of the mobile communication device, formulating and encrypting, by
G		means of a first encryption key and data unique to the mobile communication
7		device, a transaction request to be transmitted to the transaction terminal and
8		device, a transaction request to be transmitted to the same
9		transmitting a transaction request directly to the transaction terminal with the use of
10		the mobile communication device, using a method of communication for which the
11		transaction terminal is enabled;
12		transaction terminaris ondised,
13		transmitting the transaction request from the transaction terminal to the transaction
14 15		processing server;
15 16		processing correct
16 17		at the transaction processing server:
17 18		at the dunisation processing server
19		receiving the transaction request;
20 20		, so that the same of the same
21		identifying the mobile communication device using the data unique to the
22		mobile communication device;
23		
24		retrieving the first encryption key, previously stored at the transaction
25		processing server in respect of the mobile communication device;
26		
27		decrypting the encrypted transaction request using the first encryption key;
28		
29		processing the transaction request and generating a process outcome
30		message pertaining to the result of processing of the transaction request;
31		
32		generating a second encryption key, storing the second encryption key in
33		the transaction processing server;
34		
<i>35</i>		transmitting the second encryption key to the transaction terminal;
36		
37		encrypting the process outcome message using the second encryption key
OH		and

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1		to the mobile
2		transmitting the encrypted process outcome message to the mobile
3		communication device;
4		the state of the second an amountain
5		at the mobile communication device, extracting and storing the second encryption
6		key and transmitting the encrypted process outcome message to the transaction
7		terminal; and
8		
9		at the transaction terminal, decrypting the encrypted process outcome message
O		and applying the decrypted process outcome message to actuate the transaction
1		terminal.
12		that to alone 12 in which tho
13	14.	A method of verifying a financial transaction according to claim 13 in which the
14		second encryption key that is stored at the transaction processing server and in the
15		mobile communication device is used, in a following transaction processing cycle as
16		the first encryption key.
17		to a section to claim 14 in which the
18	15.	A method of verifying a financial transaction according to claim 14 in which the
19		second encryption key is generated, every time the transaction processing cycle is
20		repeated, with the use of code hopping techniques.
21		the second secon
22	16.	A method of verifying a financial transaction according to any one of claims 13 to 15
23		in which, in the process of encrypting the transaction request to be transmitted to the
24		transaction processing server, the transaction request is encrypted with the use, in
25		addition, of a code unique to the person requesting the transaction.